

Studies on the North American PROCTOTRUPIDÆ,
with Descriptions of New Species from Florida.

(PART I.)

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(Continued from p. 76, vol. III.)

XVII. BETHYLUS Latreille.

- 23 1. *Bethylus armiferus* Say. Leconte's Ed. Say's Works, I, p. 383.
Hab.—Indiana.
- 24 2. *Bethylus celluris* Say. l. c. II, p. 726.
Hab.—Indiana, Florida (Ashm.).
- 25 3. *Bethylus musculus* Say. l. c. p. 726.
Hab.—Indiana.
- 26 4. *Bethylus pedatus* Say. l. c. p. 727.
Hab.—Indiana.
- 27 5. *Bethylus centratus* Say. l. c. p. 727.
Hab.—Indiana.
- 28 6. *Bethylus prolongatus* Prov. Petite Faune Ent. du Can., II, p. 563.
Hab.—Canada.
- 29 7. *Bethylus formicoides* Prov. Add. et Corr. a la Faune Hymn., p. 177.
Hab.—Canada.

XVIII. ATELEOPTERUS Foerster.

- 30 1. *Ateleopterus nubilipennis* n. sp.

♀. Length .12 inch. This species resembles a *Goniozus*; it is black, finely punctate and shining, but without the coarser, scattered punctation so common in that genus. The antennæ are 13-jointed, first joint and the legs brownish yellow, flagellum dark brown. The abdomen is pointed ovate, wings dark fuscous, and without a marginal or a stigmal vein.

Hab. Florida.

XIX. HOLOPEDINA Foerster.

- 31 1. *Holopedina nubilipennis* n. sp.

♀. Length .07 inch. Rufo-testaceous; eyes brown; antennæ 12-jointed, infuscated. Middle of femora and tibiæ, and abdomen towards tip, dusky. Wings dark fuscous, without a marginal or a stigmal vein; but there is one basal cell.

Hab.—Florida.

Subfamily CERAPHRONINÆ.

XX. SYNARSIS Foerster.

XXI. LAGYNODES Foerster.

XXII. CERAPHRON Jurine.

- 32 1. *Ceraphron macroneurus* n. sp.

♂. Length .04 inch. Black, shining. Antennæ stout, scape half as long as flagellum, brownish yellow, flagellum dark brown. Legs and abdomen yellow. Wings

hyaline, the stigma brown, not large, from which issues a very long stigmal vein, forming a narrow radical cell open only at tip.

Hab.—Florida.

A single specimen was raised from an aphid on Iron wood.

XXIII. **TRICHOSTERESIS** Foerster.

33 1. **Trichosteres flordanus** n. sp.

In stature similar to *Trichosteres clandestinus* Foerst. Black, finely, confluent punctate. Head and thorax sparsely pubescent. Antennæ 10-jointed, black, terminal joint longer than the preceding one. Legs black, knees honey-yellow, tarsi white. Wings hyaline, not pubescent, the large stigma and stigmal vein pale.

Hab.—Florida.

XXIV. **LYGOCERUS** Foerster.

34 1. **Lygocerus armatus** Say.

Ceraphron armatus Say. Leconte's Ed. Say's Works, II, p. 724.

Hab.—Indiana.

35 2. **Lygocerus stigmatus** Say.

Ceraphron stigmatus Say. l. c. p. 724.

Hab. - Indiana.

36 3. **Lygocerus flordanus** Ashmead.

Cheirocerus flordanus Ashm. Trans. Am. Ent. Mo. Proc. 1881, p. 31.

Hab.—Florida.

XXV. **ATRITOMUS** Foerster.

37 1. **Atritomus rufiventris** n. sp.

♀. Length .10 inch. Robust, black. Antennæ pale yellow, scape short, slightly broadened. Mesothorax smooth, without grooves. Legs pale brown, posterior femora above infuscated. Abdomen rufous, blackish above towards tip. Wings hyaline, stigma thick, broad, with a short stigmal vein, nearly parallel with costal edge.

Hab.—Florida.

XXVI. **MEGASPILUS** Westwood.

38 1. **Megaspilus luceus** Prov. Petite Faune Ent. du C., II, p. 508.

Hab. = Canada.

39 2. **Megaspilus hyalinipennis** n. sp.

♀. Length .08 inch. Robust, black, pubescent. Eyes pubescent; antennæ 10-jointed, filiform, dark brown, pubescent, first two joints rather short, third and following joints much longer. Legs light brown, the femora and tibiæ obfuscated. Wings hyaline, stigma large but pale, with a long stigmal vein.

Hab.—Florida.

Subfamily **PROCTOTRUPINÆ**.

XXVII. **PROCTOTRUPES** Latreille.

40 1. **Proctotrupes caudatus** Say. Leconte's Ed. Say's Works, I, p. 221.

Hab.—North West Territory.

41 2. **Proctotrupes obsoletus** Say. l. c. II, p. 725.

Hab. Indiana, Canada.

- 42 3. *Proctotrupes abruptus* Say. l. c. p. 725.
Hab.—Indiana, Canada.
- 43 4. *Proctotrupes pallidus* Say.
Codrus pallidus Say. l. c. p. 725.
Hab.—Indiana.
- 44 5. *Proctotrupes flavipes* Prov. Petite Faune Ent. du C., II, p. 562.
Hab.—Canada.
- 45 6. *Proctotrupes rufigaster* Prov. l. c. p. 561.
Hab.—Canada.
- 46 7. *Proctotrupes crenulatus* Patton. Can. Ent., XI, p. 64.
Hab.—Connecticut.
- 47 8. *Proctotrupes melliventris* n. sp.

♂. Length .18 inch. Stature and form of *P. obsoletus* Say. Head, thorax and antennæ, black. Metathorax, rugosely punctate with a slight median carina. Legs and abdomen, honey-yellow. Wings fusco-hyaline, a darker colored cloud beneath stigma.

Hab.—Florida.

Subfamily SCELIONINÆ.

XXVIII. THORON Haliday.

- 48 1. *Thoron pallipes* n. sp.

♀. Length .08 inch. Similar to *Thoron metallicus* Hal., but smaller. Black, polished. Antennal scape, pedicel and legs, pale yellowish brown, funicle joints and the large inarticulate club, dark brown, third funicle joint, very small. Wings hyaline, veins brown, stigmal vein hardly developed, postmarginal vein wanting.

Hab.—Florida.

XXIX. BÆUS Haliday.

XXX. ACOLUS Foerster.

- 49 1. *Acolus rubriclavus* n. sp.

♀. Length .14 inch. Testaceous. Eyes, ocelli and flagellum, red-brown; first flagellar joint slightly shorter than pedicel, following three joints very short, club thickened, inarticulate, but apparently composed of six closely joined joints. Disk of metathorax convex, black. Abdomen pointed, fusiform, dusky at tip, first segment longitudinally striate.

Hab.—Florida.

Described from one specimen taken on Ocean Beach at San Pablo.

XXXI. BÆONEURA Foerster.

- 50 1. *Bæoneura cinctiventris* n. sp.

♀. Length .08 inch. Slender pale brownish yellow. Eyes, the large inarticulate antennal club, the disk of metathorax and broad bands at base of second, third and last abdominal segments, brown. Wing hyaline. Legs, pale brownish yellow, the femora and tibiæ slightly dusky in middle above.

Hab.—Florida.

- 51 2. *Bæoneura floridana* n. sp.

♂, ♀. Length .14 to .15 inch. A slender, greatly elongated species. Black rugoso-punctate and pubescent. Antennæ dark brown, scape paler, the first funicle

joint is longer than the pedicel, ♂ filiform, ♀ ending in six-jointed club. Legs brownish yellow. The slender, greatly elongated abdomen, which extends considerably beyond the tips of wings when folded, is over thrice as long as the thorax, strongly carinate along lateral margins, and the first and second segments are longitudinally striate. Wings hyaline, the marginal and postmarginal veins are very long, the stigmal short.

Hab.—Florida.

XXXII. **XENOMERUS** Walker.

52 1. **Xenomerus rubicola** n. sp.

♂. Length .10 inch. Black, head polished; antennæ filiform with long hairs, scape short brownish-yellow. Thorax finely punctate, pubescent, with two grooves. Scutellum convex, rounded behind. Abdomen about as long as the thorax, somewhat narrow. Legs: femora excepting tips, black, tibiæ pale yellowish. Wings hyaline, veins pale, the marginal vein is very long, the stigmal long, curved upwards, while the postmarginal is also long, one-third longer than the stigma.

Hab.—Florida.

Described from one specimen reared from a dipterous larva, living in the stems of the black berry *Rubus villosus*.

XXXIII. **TELEAS** Latreille.

53 1. **Teleas sphingis** Ashmead.

Hab.—Florida.

This species was described in my work for the Department of Agriculture last summer.

54 2. **Teleas orgyiæ** Fitch.

Telenomus orgyiæ Fitch. Eighth Report N. Y. Stat. Ag. Soc. p. 679.

Hab.—New York.

55 3. **Teleas dolichocerus** n. sp.

♂. Length .04 inch. Black, polished. Legs pale brown. Wings hyaline. Antennæ 12-jointed, long, reaching beyond tip of abdomen, dark brown, the fourth joint is nearly as long as the scape, fifth as long as pedicel, following joints subequal.

Hab.—Florida.

56 4. **Teleas infuscatipes** n. sp.

♂, ♀. Length .04 inch. Black, polished, sparsely pubescent. Legs brown with femora and tibiæ obfuscated in middle. Antennæ in ♂ long, filiform, third joint incrassated, ♀ antennæ ending in 4-jointed club, joints broader than long.

Hab.—Florida.

XXXIV. **PROSACANTHA** Nees.

57 1. **Prosacantha americana** n. sp.

♂. Length .06 inch. Robust, black, finely pubescent. Head and thorax evenly, coarsely punctate. Antennæ including scape, black, club 4-jointed. Metathorax with a spine. Legs rufous, all coxæ black. Wings hyaline, veins pale, the marginal vein is not long and the stigmal vein is very short, almost punctiform.

Hab.—Florida.

(TO BE CONTINUED.)